Abstract of the Disclosure

Disclosed are a real time remote monitoring system and a method therefore using an ADSL in a reverse direction. The real time remote monitoring system according to the invention includes monitoring unit for monitoring an object facility to be monitored, remotely monitored data processing unit for monitoring motions according to each channel with respect to the monitored data obtained by the monitoring unit, first ADSL modulating/ demodulating unit installed in a reverse direction for modulating the data inputted from the remotely monitored data processing unit so as to be upwardly transmitted to a network in a transmission velocity higher than that of the downward channel, and demodulating the data transferred from the network in a transmission velocity lower than that of the upward channel, second ADSL modulating/ demodulating unit installed in a reverse direction for demodulating the data transferred from the first ADSL modulating/demodulating means in a transmission velocity higher than that of the downward channel so as to be transferred to a receiving party, and modulating the data transferred from the receiving party so as to downwardly transferred to the first ADSL modulating/ demodulating unit in a transmission velocity lower than that of the upward channel.